

Title (en)

METHOD OF PRODUCTION FOR TAMPER-PROOF MACHINE COMPONENTS

Title (de)

HERSTELLUNGSVERFAHREN FÜR FÄLSCHUNGSSICHERE MASCHINENKOMPONENTEN

Title (fr)

PROCÉDÉ DE FABRICATION DE PIÈCES MÉCANIQUES INFALSIFIABLES

Publication

EP 4158432 A1 20230405 (DE)

Application

EP 21745923 A 20210705

Priority

- DE 102020006772 A 20200831
- EP 2021068447 W 20210705

Abstract (en)

[origin: WO2022042914A1] The invention relates to a method (100) for producing a machine component (15) from a workpiece (10). The method (100) comprises a first step (110) in which a dimension (16) of a surface (12) of the workpiece (10) to be machined and a margin of tolerance (17) of the dimension (16) are registered. A second step (120) follows, in which a signature pattern (20) for the surface (12) to be machined is generated. This is followed by a third step (130) in which the workpiece (10) is shaped (37) at least on the surface (12) to be machined. During this step the signature pattern (20) is produced. In a subsequent fourth step (140), a check code (25) is produced on the workpiece (10). According to the invention, the signature pattern (20) has maximum dimensions (22) which are within the tolerance margin (17).

IPC 8 full level

G05B 19/418 (2006.01); **G06K 19/06** (2006.01)

CPC (source: EP US)

G05B 19/4183 (2013.01 - EP US); **G06K 19/06159** (2013.01 - EP US); **G05B 2219/49296** (2013.01 - EP); **G05B 2219/49302** (2013.01 - EP US); **Y02P 90/02** (2015.11 - EP)

Citation (search report)

See references of WO 2022042914A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020006772 A1 20220303; CN 116210002 A 20230602; EP 4158432 A1 20230405; US 2023305535 A1 20230928; WO 2022042914 A1 20220303

DOCDB simple family (application)

DE 102020006772 A 20200831; CN 202180053755 A 20210705; EP 2021068447 W 20210705; EP 21745923 A 20210705; US 202118023043 A 20210705